


Lesson 5-4 Adding Mixed Numbers	Objective: SWBAT to add mixed numbers with and without renaming.	 Online! Homework Video Tutor Web Code: aqe-0504
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Example 1- Adding with Unlike Denominators

You spend $8\frac{1}{4}$ hours on Saturday and $6\frac{1}{2}$ hours on Sunday working on a science project. How long did you work on the project?

(1) Mentally Estimate: _____

(2) Add whole numbers, then fractions:

$$\begin{array}{r} 8\frac{1}{4} \rightarrow \\ + 6\frac{1}{2} \rightarrow \\ \hline \end{array}$$

(3) Does your answer make sense? _____, because _____ is close to _____.

Example 2- Renaming a Sum

Find $15\frac{5}{6} + 3\frac{1}{2}$

(1) Mentally Estimate: _____

(2) Add normally:

(3) Rename _____ as _____

(4) Add the whole numbers and simplify.

Example 3- Application

A band practiced for $2\frac{1}{2}$ hours on Monday and for $1\frac{3}{4}$ hours on Tuesday. How long did the band practice? Write an expression that models this situation, then solve.

Expression= _____

- a) $3\frac{1}{4}$ hours b) $3\frac{2}{3}$ hours c) $4\frac{1}{4}$ hours d) $4\frac{2}{3}$ hours



Quick Checks

a) Add $7\frac{3}{5} + 13\frac{2}{3}$

b) Add $3\frac{5}{5} + 5\frac{11}{12}$

Homework Exercises

Assignment _____ Date _____

Show Your Work!	Show Your Work!